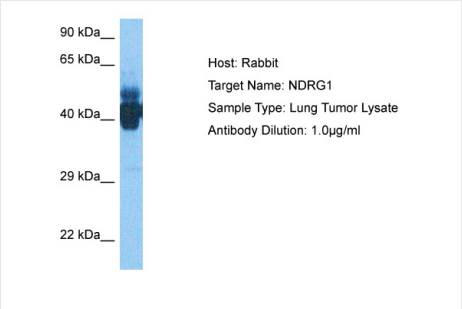
NDRG1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NDRG1, Polyclonal Antibody
Full Product Name	NDRG1 Antibody - C-terminal region
Product Gene Name	anti-NDRG1 antibody
Product Synonym Gene Name	GC4; RTP; DRG1; NDR1; NMSL; TDD5; CAP43; CMT4D; DRG-1; HMSNL; RIT42; TARG1; PROXY1;
Immunogen Sequence	Synthetic peptide located within the following region: SLDGTRSRSH TSEGTRSRSH TSEGTRSRSH TSEGAHLDIT PNSGAAGNSA
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 16% sucrose.
Purity/Purification	Affinity purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	NDRG1 peptide (MBS3244647) is used for blocking the activity of NDRG1 antibody (MBS3219783)
Molecular Weight	43 kDa
OMIM	601455
3D Structure	ModBase 3D Structure for Q92597
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human NDRG1
Product Categories/Family for anti-NDRG1 antibody	Polyclonal; Cell Biology; Disease Related
Applications Tested/Suitable for anti-NDRG1 antibody	Western Blot (WB)
Related Product Information for anti-NDRG1 antibody	This gene is a member of the N-myc downregulated gene family which belongs to the alpha/beta hydrolase superfamily. The protein encoded by this gene is a cytoplasmic protein involved in stress responses, hormone responses, cell growth, and differentiation. The encoded protein is necessary for p53-mediated caspase activation and apoptosis. Mutations in this gene are a cause of Charcot-Marie-Tooth disease type 4D, and expression of this gene may be a prognostic indicator for several types of cancer. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Other Notes	Small volumes of anti-NDRG1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NDRG1 purchase	MBS3219783 is an antibody targeting NDRG1. Also known as NDRG1 Antibody - C-terminal region. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-NDRG1 antibody
Host: RabbitTarget Name: NDRG1Sample Tissue: Lung Tumor lysatesAntibody Dilution: 1ug/ml

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NDRG1. It may not necessarily be applicable to this product.

NCBI GI #	207028748
NCBI GeneID	10397
NCBI Accession #	NP_001128714.1
UniProt Primary Accession #	Q92597
UniProt Related Accession #	Q92597
GenBank Nucleotide #	NM_001135242.1
NCBI Official Full Name	protein NDRG1 isoform 1
NCBI Official Synonym Full Names	N-myc downstream regulated 1
NCBI Official Symbol	NDRG1
NCBI Official Synonym Symbols	GC4; RTP; DRG1; NDR1; NMSL; TDD5; CAP43; CMT4D; DRG-1; HMSNL; RIT42; TARG1; PROXY1
UniProt Protein Name	Protein NDRG1
UniProt Synonym Protein Names	Differentiation-related gene 1 protein; DRG-1; N-myc downstream-regulated gene 1 protein; Nickel-specific induction protein Cap43; Reducing agents and tunicamycin-responsive protein; RTP; Rit42
Protein Family	Protein
UniProt Gene Name	NDRG1
UniProt Synonym Gene Names	CAP43; DRG1; RTP; DRG-1; RTP
UniProt Entry Name	NDRG1_HUMAN
NCBI Protein Information	protein NDRG1
Research Articles on NDRG1	**1.** Study suggests that the higher NDRG1 expression may be associated with the radio-resistance of human rectal cancer cells, and it can be a potential therapeutic target for re-sensitizing radio-resistant rectal cancer cells to ionizing radiation.
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